ALT Primer 509 (EPDM/TPO)

Product Data Sheet

Description
ALT Primer 509 is a high performance solvent-borne polyurethane-based 1-component primer.

Applications
ALT 509 Primer is used as an adhesion promoter for ALT roofing and waterproofing systems applied over EPDM, TPO and other approved commercial single-ply roof membranes.

Packaging
ALT Primer 509 is supplied as a colorless liquid resin in 0.8-kg metal bottles.

Coverage Rate (approximate)
Consumption: 0.03 – 0.05 kg/m^2

Gross yield / 0.8-kg unit: 172 ft^2 (16 m^2) - 287 ft^2 (26 m^2) depending upon substrate conditions and consumption at application.

Storage
Always store in cool and dry location, protected from frost. Do not store in direct sunlight or in temperatures below 32°F (0°C) or above 77°F (25°C). Approximate shelf life is 6-months when left sealed, un-opened and with proper storage.

Note: Open primer should be re-sealed immediately after use. Opening product may cause contents to gel in container. Do not use or apply gelled product.

Application Conditions
The product can be applied at substrate and ambient temperatures between 37°F (3°C) and 95°F (35°C).

Note: Application over ALT Primer 509 should be done following the recommended minimum cure times indicated up to a maximum of 2-days. If the surface of the primer becomes dirty or contaminated or left exposed to the elements for more than 2-days, the primer must be ground off and re-applied.

Mixing Instructions
ALT 509 Primer must be vigorously shaken before each use.

Substrate Preparation
Lightly abrade substrate and wipe clean with ALT Activator 15-minutes prior to application of ALT 509 Primer. Extend preparation a maximum of 1/8 inch (3 mm) beyond the termination of the membrane flashing.

Cure Times (at 68°F (20°C)
- 86°F (30°C): at least 1-hour, max. 2-hours
- 68°F (20°C): at least 1.5-hours, max. 3-hours
- 50°F (10°C): at least 2-hours, max. 4-hours
- 37°F (3°C):at least 3-hours, max. 6-hours

The times noted above are approximate, provided as a guideline, and may vary. Actual set times and cure should be established in the field based on actual field conditions.

Tool Cleaning
When work is interrupted or completed, tools must be thoroughly cleaned with ALT Activator before the resin hardens.

Safety Recommendations
Refer to product Material Safety Data Sheet (MSDS) prior to use or handling.

Disposal
Cured resin may be disposed of in standard landfills. Uncured resin is considered a hazardous material and must be handled as such, in accordance with local, state and federal regulations.

Ordering Information
ALT Primer 509
- **Item** #: 185-000-120U 0.8-kg bottle

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Application Guidelines

Handling

Keep away from open fire, flame or any ignition source. Vapors may form explosive mixture with air. Avoid skin and eye contact with this material. Avoid breathing fumes. Do not eat, drink or smoke in area of application. Refer to product Material Safety Data Sheet (MSDS) for additional information pertaining to this product and prior to use or handling.

Personal Protection Equipment

Workers should wear appropriate clothing to protect from accidental skin contact. When mixing or applying this product workers must use butyl rubber gloves. Safety glasses with side shields are required for eye protection.

In enclosed spaces, use local exhaust ventilation to maintain worker exposure below TLV. If the airborne concentration poses a health hazard, become irritating or exceeds recommended limits, use a NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134. The specific type of respirator will depend on the airborne concentrations. A filtering face piece or dusk mask is not acceptable for use with this product if TLV filtering levels have been exceeded.

Surface Preparation

All substrates must be clean, dry, free of oil, grease, foreign material such as dirt, ice, snow, water or any other condition that would be detrimental to adhesion of resin to the substrate. Apply ALT 509 Primer to substrate as recommended. Refer to ALT "Substrate Preparation & Priming Guidelines" for other specific recommendations and requirements. Contact ALT Technical Department for recommendations regarding specific applications.

Application

After vigorously shaking container, apply resin to clean and prepared substrate at the required consumption using ALT approved brushes. The resin should be applied in a thin-coat evenly onto the surface. Avoid and remove areas of heavy application, pooling, and runs especially at corners and angle-changes. See individual system specifications for specific guidelines regarding application of primer, membrane, topcoat and/or surfacing.

Remarks/Comments

The information provided regarding application of ALT Global products is based on extensive development work, as well as many years of experience, and is given to the best of our knowledge. However, due to the diverse conditions encountered in building construction, it is necessary for the contractor to test the product for its suitability in any given case. We reserve the right to make alterations in keeping with technical developments or improvements.

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